

S/096/62/000/006/009/011  
E194/E454

Heat transfer and hydraulic'...

For Reynolds numbers of 2000, 4000 and in the range from 10000 to 18000 the Nusselt criterion for ducts with conical indentations is greater than for a smooth duct by 2.0, 1.62 and 1.75 times respectively. The surface increase caused by the indentations ranges from 5 to 10% so the main cause of greater heat exchange with indentations is increased turbulence of flow. The resistance of the ducts was measured under both isothermal and nonisothermal conditions and the results are given in the form of empirical formulae with constants tabulated for ducts of different shape and pitch. There are 3 figures and 1 table.

ASSOCIATION: Kazanskiy aviatsionnyy institut  
(Kazan' Aviation Institute)

Card 3/3

FEDOROV, I. G.

FEDOROV, I.G., inzhener; MNYEVIN, Ye.A., inzhener, nauchnyy redaktor;  
TOKER, A.M., tekhnicheskiy redaktor.

[Making reinforced concrete steps in stock metal forms; from the  
work practice of the "Makstroi" trust. Izgotovlenie zhelezobetonykh stupenei v inventarnoi metallicheskoi opalubke; iz opyta  
raboty tresta Makstroi. Moskva [Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture] 1953. 11 p.  
(MIRA 7:8)

I. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva,  
Tekhnicheskoye upravleniye.  
(Reinforced concrete construction)

FEDOROV, I.G.; KARDO-SYSOIEV, P.N., inzhener, nauchnyy redaktev.

[New woodworking machines; proposals by instructors on progressive work methods] Novye derevoobrabatyvaiushchie stanki; predloshenija instruktorov peredovykh metodov truda. Moskva, Gos. izd-vo po stroitel'stvu i arkhitekture, 1953. 22 p.  
(Woodworking machinery) (MLRA 7:6)

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0

FEDOROV, I., inzhener.

Moscow exhibition of new construction techniques. Mekh.trud.rab. 7 no.8:  
42-45 Ag '53.  
(MLRA 6:8)  
(Building machinery)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0"

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0

FEDOROV, I.O.

Introduction of advanced methods in plastering. Biul.stroi.tekh. 10 no.10:  
20-22 My '53.  
(MLRA 6:8)

1. TsBTP Ministerstvo stroitel'stva.

(Plastering)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0"

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0

FEDOROV, I.G., inzhener.

Method of producing reinforced concrete steps in stages. Sbor.mat. o nov.  
tekhn. v stroi. 15 no.6:26-29 '53. (MLRA 6:5)  
(Staircases) (Reinforced concrete construction)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0"

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0

FEDOROV, I.G., inzhener.

Practical arrangement of concrete reinforcements. Sbor. mat. o nov.  
tekhn. v stroi. 15 no. 10:12-17 '53. (MIRA 6:12)  
(Reinforced concrete)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0"

FEDOROV, I. G.

Subject : USSR/Engineering AID P - 220  
Card : 1/1  
Author : Fedorov, I. G., Engineer  
Title : Standard Framework for Concrete Construction Designed by N. I. Gakhov  
Periodical : Sbor. mat. o nov. tekhn. v stroi., 1, 12-18, 1954  
Abstract : Standard size forms for concrete are suggested. These standard board units form shutterings which can be used in various framework for concrete placing. These forms have been tried by many construction trusts and have proved economical. Charts, table.  
Institutions: Several Building Trusts  
Submitted : No date

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0

FEDOROV, I.G., inshener.

Exhibition of modern building engineering. Mekh.trud.rab. 8 no.6:  
43-45 Ag-S '54.  
(MLRA 7:9)  
(Moscow--Building machinery--Exhibitions) (Building machinery--  
Exhibitions--Moscow)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0"

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0

FEDOROV, I.G., inzhener

The Moscow Exhibition of New Construction Technology. Mekh.trud.  
rab.9 no.8:30-33 Ag'55. (MLRA 8:10)  
(Moscow--Construction industry--Exhibitions)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0"

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0

FEDOROV, I.G., inzhener.

An exhibition of new construction technology. Mekh. trud. rab.  
10 no.9:20-24 S '56. (MLRA 9:10)

(Moscow--Construction industry--Exhibitions)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0"

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0

*FEDOROV, I. G.*

FEDOROV, I. G.

New building techniques; at the Moscow Exhibition of 1957.  
Stroitel' no.9:22-24 S '57. (MIRA 10:12)  
(Moscow--Building--Exhibitions)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0"

Author: Fedorov, L. I.

Title: Navigational "Ekholots", Sea Transportation. (Navigatsionnye ekholoty.) 142 p.

City: Moscow

Publisher:

Publication--

Date: 1948

Available: Library of Congress

Source: Monthly List of Russian Accessions, Vol. 3, No. 2, Page 97

FEDOROV, I.I.

Results of the second congress of the trade union of geological  
prospecting workers and problems of trade-union organizations.  
Rasved.i okhr.nedr 22 no.5:1-5 My '56. (MLRA 9:9)

1. TSentral'nyy komiter profsoyuza rabochikh geologo-  
razvedochnykh rabot.  
(Trade unions) (Prospecting)

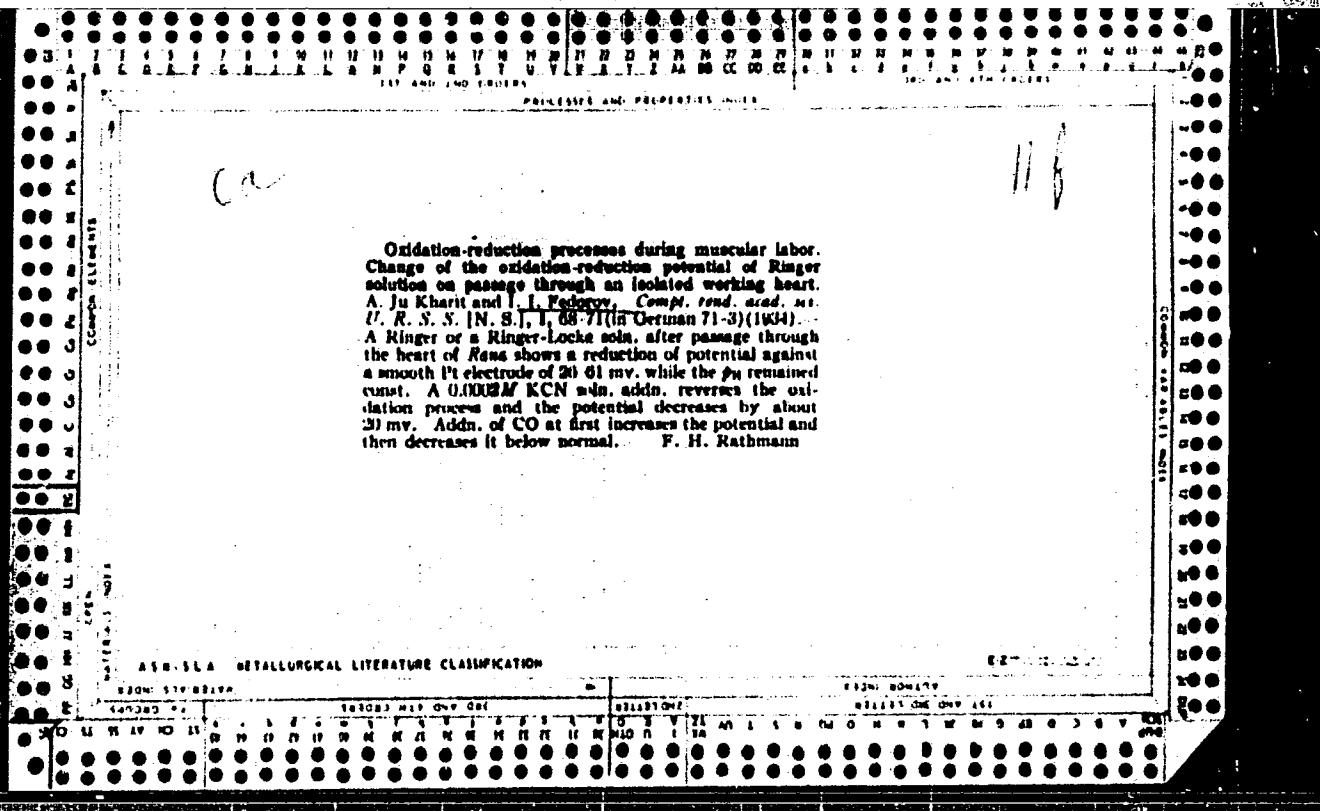
FEDOROV, I.I.

Activity of the editorial board of "Razvedka i okhrana nedor".  
Razved. i okh.nedor 24 no.10:61-62 O '58. (MIRA 12:2)

1. Tsentral'nyy komitet profsoyusa rabochikh geologorazvedochnykh  
rabot.  
(Geology--Periodicals)

FEDOROV, Ivan Ignat'yevich

[Studies on Chinese popular medicine] Ocherki po narodnoi  
kitaiskoi meditsine. Moskva, Medgiz, 1960. 76 p.  
(CHINA--MEDICINE, POPULAR) (MIRA 13:9)

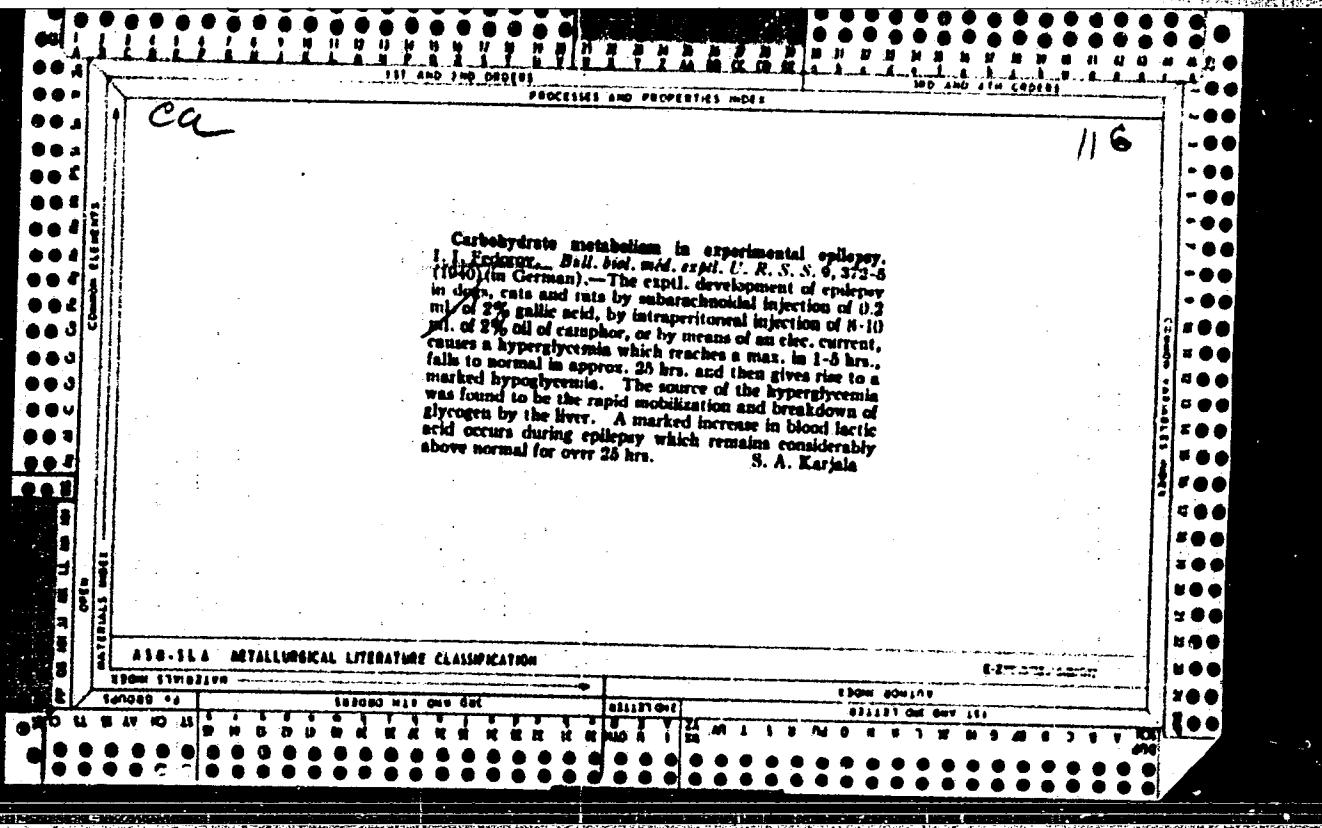


*cd**HF*

Oxidation-reduction processes during muscular work  
II. Oxidation-reduction potential of blood and urine as  
influenced by muscular labor. A. Yu. Kharit and I. I.  
Pedrov. *Compil. rend. Acad. Sci. U. R. S. S. [N. S.]*,  
1, 130-131 (1934) (1934); cf. *C. A.* 28, 24029.  
The potential of arterial blood decreased from 0.007 to  
0.078 v., of venal blood from 0.100 to 0.067 after work  
(in dogs), and of urine from 0.118 to 0.073 in 40 min.  
and was normal after 4 hrs. (in man). P. H. R.

ASSISTANT METALLURGICAL LITERATURE CLASSIFICATION									
SUBDIVISIONS OF THE CLASSIFICATION					SUBDIVISIONS OF THE CLASSIFICATION				
SUBDIVISIONS OF THE CLASSIFICATION					SUBDIVISIONS OF THE CLASSIFICATION				
0	1	2	3	4	5	6	7	8	9
0	1	2	3	4	5	6	7	8	9

Carbohydrate metabolism in narcosis. I. J. Endotax  
*Bull. biol. med. expér. U. R. S. S.* 9, 302-71 (1940) (in  
German).—The administration per os of 3 g./kg. body wt.  
of glucose in 10% soln. to rabbits, and the intravenous  
injection into dogs and cats, during Et<sub>2</sub>O narcosis causes  
a strong hyperglycemia until the narcosis terminates, after  
which the blood-sugar values return to normal. In cases  
of high blood-sugar values during the 1st hr. of narcosis  
the difference in sugar values between arterial and venous  
blood decreases and eventually becomes neg., venous  
blood sugar being higher than arterial sugar. Blood lac-  
tic acid increases during narcosis either with or without  
sugar administration. The intravenous injection of 6  
units/kg. body wt. of insulin into dogs and rabbits during  
Et<sub>2</sub>O narcosis caused no decrease in blood sugar until the  
narcosis terminated. The injection of adrenaline during  
narcosis caused a greater hyperglycemia than under nor-  
mal conditions. The lactic acid values were similar to  
those found after sugar administration in narcosis.  
S. A. Karjala



ca

G

The dominant mechanism in the genesis of changes in the calcium and phosphorus picture in the blood after experimental bone fracture. I. I. Fyodorov. *Bull. biol. med. exp. U. R. S. S.* 9, 376-9 (1940) (in German).—The blood Ca and P of dogs were detd. before and after aseptic bone fracture. After the values had returned to normal a nonspecific irritation (nervous irritation) was set up by removal of 8-10 ml. of cerebrospinal fluid, sain. of the fluid with air, and reinjection by means of suboccipital puncture. A single irritation caused a sharp increase in blood Ca and a decrease in P. Repeated irritations gave increases in both Ca and P. Conclusion: Post-fractural hypercalcemia and hyperphosphatemia are controlled by neurological mechanisms.  
S. A. Karjala

## ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION

EXTRACTIVE MET.

METALLURGY

IRON &amp; STEEL

SIGNAL NO. 474

IRON &amp; STEEL

SIGNAL NO. 474

FEDOROV, I. I.

USSR/Medicine - Blood, Fats and Lipoids  
Medicine - Urine, Fats and Lipoids

May/Jun 48

"Variations in the Fatty Exchange in Men at High Altitudes," G. Ye. Vladimirov,  
I. M. Dedyulin, L. I. Ostrogorskaya, I. I. Fedorov, Biochem Dept, General Physiol  
Sec, Inst of Experimental Med, Acad Med Sci USSR, Leningrad, 8 pp

"Fiziol Zhir SSSR" Vol XXXIV, No 3

Reviews history of subject. Describes observations. Concludes that at high  
altitudes the acetone content in the blood and urine is increased. The  $\beta$  -  
oxybutyric acid content in the blood also increases with an increase in altitude.  
Total content of fats in blood plasma remains unaltered. Discussed effects of  
acclimatization.

PA 13/49T57

FEDOROV, I. I.

33458. Ob okhranitel'nom Vozbushdenii. Uchen. Zapiski (Chernovits. Gos. Med. In-t), T. 1, 1949, o. 5-23.

SO. Letopis' Zhurnal'nykh Statey, Vol. 45, Moskva, 1949

FEDOROV, I. I.

Fedorov, I. I. "On the reactivity of adrenalin with foreign blood", In the collection: Mekhanizm patol. reaktsiy, Issues 11-15, Leningrad, 1949, p. 247-49.

SO: U-4392, 19 August 53, (Letopis 'Zhurnal 'nykh Statey, No 21, 1949).

1797. **The Reflexogenic Zone in the Terminal Portion of the Abdominal Aorta.** (О рефлексогенной зоне области конечного отделения брюшной аорты)

I. I. FEDOROV. *Archiv Patologii [Arkh. Patol.]* 12, No. 1, 15-22, 1950. 4 figs., 16 refs.

The abdominal aorta of dogs was studied by means of compression and occlusion of its various segments and terminal branches and the introduction into it of such chemical substances as hypertonic saline, adrenaline, acetylcholine, "hexonal", thiopentone, procaine, and barium chloride. The effects of these procedures on the pulse, blood pressure, and electrocardiographic tracings of the heart were observed. A histological study of this region showed that nerve endings were much more numerous in the terminal portion of the aorta than above or below it, and that they were similar in structure to those present in the sinocarotid zone. The observations showed that this part of the aorta contains chemical neuro-receptors.

L. Cromie

Abstracts of World Medicine  
Vol. 8 1950

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0

FEDOROV, I. I.

"Pathophysiological Bases of Blood Transfusion," Kiev, 1951

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0"

DETSIK, Yu.I.; FEDOROV, I.I.

Effective stimulation of the arterial receptors with simultaneous interavenous administration of drugs lowering blood pressure and depressing respiration. Vop. fiziol. no.5:38-42 '53. (MLRA 8:1)

1. L'vovskiy meditsinskiy institut, kafedra patologicheskoy fisiologii.

(ARTERIES, physiology,

eff. of stimulation of receptors with simultaneous interavenous admin. of drugs depressing blood pressure & resp.)

(VEINS, physiology,

eff. of intravenous admin. of drugs depressing blood pressure & resp. with simultaneous stimulation of arterial receptors)

(BLOOD PRESSURE,

eff. of stimulation of arterial receptors with simultaneous intravenous admin. of drugs depressing blood pressure & resp.)

(RESPIRATION,

eff. of stimulation of arterial receptors with simultaneous intravenous admin. of drugs depressing blood pressure & resp.)

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0

PETROV, D.G., dotsent, direktor; FEDOROV, I.I., professor, nauchnyy rukovoditel'.

Intravenous alcohol-thiopental narcosis. Khirurgia no.6:15-18 Je '53.  
(MLRA 6:8)

1. L'vovskiy nauchno-issledovatel'skiy institut perelivaniya krovi i ne-  
otlozhnoy khirurgii.  
(Anesthesia)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0"

FEDOROV, I. I.

4817. FEDOROV, I. I. Ucheniye I. P. pavlova - nauchnaya osnova meditsiny. kiyev,  
gosmedizdat ussr, 1954. 104 s. 21sm. (b-ka vracha). 5.000 ekz. 4r. 35k. v  
per. - na ukr. yaz. - (54-58287) 612+61

SO: Knizhnaya Letopis', Vol. 1, 1955

FEDOROV, I.I.

FEDOROV, I.I.: "The process of ossification of the pelvis in X-ray pictures".  
Moscow, 1955. Second Moscow Medical Inst imeni I.V. Stalin. (Dissertations  
for the degree of candidate of Medical Sciences).

SO: Knizhnaya letopis' No 44, 29 October 1955. Moscow.

FEDOROV, I. I.

USSR/ Medicine - Physiology

Card 1/1 Pub. 22 - 51/52

Authors : Fedorov, I. I.; Khodosevich, P. K.; Fedorova, Z. P.; and Gosteva, E. A.

Title : Distribution of radioactive P and I in the organs of rabbits in normal state, pentotal narcosis and in state of strong stimulation

Periodical : Dok. AN SSSR, 100/2, 393-396, Jan 11, 1955

Abstract : Experimental data are presented regarding the change in functional state of the nervous system on the distribution of radioactive P and I in the organs of underfed rabbits. Results obtained led to a conclusion that any change in the functional state of the central nervous system positively affects the intensity of the organs in the absorption of the radioactive P and I. Seven USSR references (1947-1953). Table.

Institution : Scientific Research Institute of Blood Transfusion, Lvov

Presented by : Academician L. A. Orbeli, September 24, 1954

FEDOROV, Ivan Ignat'evich, professor; BOGOMOLETS, O.A., redaktor;  
GITSHEEVN, A.D., tekhnicheskij redaktor

[Alcohol-glucone-citrate blood and its medical use] Spirto-gliukoso-  
tsitratnaia krov' i ee lechebnoe primenenie. Kiev, Gos. med. izd-vo  
USSR, 1956. 149 p.  
(BLOOD--COLLECTION AND PRESERVATION)  
(BLOOD--TRANSFUSION)

USSR/Pharmacology and Toxicology. Analgesics

V-3

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 47150

Author : Detsik Yu.I., Fedorov I.I.

Inst : -

Title : On the Epileptogenic Effect of Pyramidon

Orig Pub : Fiziol. zh. 1957, 3, No 3, 31-35

Abstract : The effect of large doses of pyramidon (P) was studied on guinea pigs, rabbits, cats, and dogs, by intravenous and intracysternal administration of a 4% aqueous solution of P. Duration of administration was 3-5 sec. In guinea pigs, the intravenous epileptogenic dose of P was 65-80 mg/kg.; in dogs, cats and rabbits it was 50-60 mg/kg.; and in intracysternal introduction it was 8 mg/kg. After administration of P in the indicated doses, an attack of tonoclonic convulsions developed immediately. 2-4 hours after epileptic attack, no essential disorders of the general condition were observed in the animals. -- G.N. Artemenko

Card : 1/1

USSR / Human and Animal Physiology (Normal and Pathological). Nervous System. Epilepsy T

Abs Jour: Ref Zhur-Biologiya, No 21, 1958, 97878

Author : Fedorov, I. I., Zapadniuk, V. G.

Inst : Not given

Title : The Significance of Neuroreflexory Components in  
the Mechanism of Appearance of Experimental  
Convulsive Attacks

Orig Pub: Fiziol. zh., 1957, 3, No 5, 119-123

Abstract: It was established in experiments on 8 dogs that a perfusion of humorally isolated carotid sinus uni- or bilaterally with a 4 percent solution of pyramidon (P) does not produce convulsive attacks, despite the fact that acceleration of breathing,

Card 1/2

87

a "vov Med. Inst.  
Chair Pathol. Physiol.

USSR / Human and Animal Physiology (Normal and Pathological). Nervous System. Epilepsy T

Abs Jour: Ref Zhur-Biologiya, No 21. 1958, 97878

screaming, and motor excitement of animals evidence the reflexory effect of P introduction into the common carotid artery in minimal doses (2.5 to 3 milligrams per kilogram) induces a convulsive attack. Intravenous and suboccipital introduction of P induces an attack with considerably larger doses. Apparently in the mechanism of the P effect, along with irritation of the receptors of carotid sinus, its effect on the receptors of other vascular zones and internal organs, as well as directly on the CNS, has great significance. S. A. Dolina

Card 2/2

FEDOROV, I.I.; TKACH, Ye.A.; FEDOROVA, Z.P.

Radioactive phosphorus content of the blood and its elimination  
through the kidneys under normal conditions and during pentothal  
narcosis, Vrach.delo no.8:813 Ag '57. (MLRA 10:8)

1. L'vovskiy institut perelivaniya krovi  
(PHOSPHORUS--ISOTOPES) (THIOPENTAL)

USSR / General Problems of Pathology. Shock.

U-4

Abs Jour : Ref Zhur - Biol., No. 10, 1958, No. 46754

Author : Wu I-Ting, Wang Hung-hsiu, Fedorov, I. I., Fang Chang-chyun

Inst : Not given

Title : Intraarterial Injections of Sodium Lactate as a Method of Increasing Blood Pressure in Traumatic Shock.

Orig Pub : Arkhiv patologii, 1957, 19, No. 8, 32-37.

Abstract : Shock was produced in dogs by striking them 420-780 times on the hip. Ten to 15 minutes after a stable decrease of blood pressure (BP) to 60-50 mm of the mercurial column, 1 ml/kg of a freshly prepared 4-20 percent solution of neutrally reacting sodium lactate (I) was injected interarterially. BP was immediately restored and it even exceeded the initial level. Although subsequently it decreased again, it still remained higher than at the

Card 1/2

*Chin Pathophysiology Peking Med Inst*

25

USSR / General Problems of Pathology. Shock.

U-4

Abs Jour : Ref Zhur - Biol., No. 10, 1958, No 46754

Abstract : instance of shock. The speed of the blood circulation fell during shock and remained low even after the injection of (I). The constriction reflex of carotid arterics became restored after (I) was administered. Thus, (I) has only a temporary hypertension effect. Since no complex treatment of shock was instituted, all dogs died after a period of several hours to 3 days.

Card 2/2

FEDOROV, I. I.

FEDOROV, I. I.; POLOTAY, V.A. (L'vov)

Appearance and disappearance of trophic ulcers following section of  
the sciatic nerve [with summary in English]. Arkh.pat. 19 no.9:74-78  
'57. (MIRA 10:12)

1. Iz kafedry histologii Chernovitskogo meditsinskogo instituta.  
(ULCER, experimental,  
trophic after section of sciatic nerve, appearance &  
disappearance (Rus))  
(NERVES, SCIATIC, physiology,  
section causing trophic ulcer, appearance &  
disappearance (Rus))

FEDOROV, Ivan-Ignat'evich [Fedorov, I.N.], prof., doktor med. nauk; ANUFRIENKO,  
O.I., doktor med. nauk, red.; LAZURNIK, M.P., red. vif-va.

[Popular medicine in China] Narodna medytsyna Kytaia. Kyiv, 1958.  
35 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh  
znan' Ukrains'koj RSR, Ser. 5, no. 6). (MIRA 11:?)  
(China--Medicine, Popular)

FEDOROV, I.I., prof. (L'vov)

"The tumorous process and the nervous system" by R.E.Kavetskii  
and others. Reviewed by I.I.Fedorov. Vrach.delo no.3:313-  
315 Mr '59. (MIRA 12:6)  
(CANCER) (NERVOUS SYSTEM) (KAVETSKII, R.E.)

FEDOROV, I.I., kand. med. nauk.

Clinico-roentgenological diagnosis of broncho-pulmonary cysts. Sov.  
med. 23 no.3:73-77 Mr '59. (MIRA 12:4)

1. Iz kafedry rentgenoradiologii (zav. - prof. V. A. D'yachenko) II  
Moskovskogo meditsinskogo instituta imeni N.I. Pirogova i kafedry rentgeno-  
radiologii (ispolnyayushchiy obyasnnosti zav. kafedroy - kand. med.  
nauk I.I. Fedorov) I Moskovskogo ordena Lenina meditsinskogo instituta  
imeni I.M. Sechenova.

(LUNGOS, cysts.  
broncho-pulm., diag. (Rus))  
(BRONCHI, cysts,  
same)

MEDOROV, I.I., kand.med.nauk; MEDOROVA, A.S., kand.med.nauk

Clinical and roentgenological diagnosis of gastric burns. Sov.med.  
23 no.8:26-31 Ag '59. (MIRA 12:12)

1. Iz kafedry rentgenologii i radiologii (zav. - prof. V.A. D'yachenko)  
II Moskovskogo meditsinskogo instituta i terapevticheskogo otdeleniya  
TSentral'nogo instituta kurortologii (dir. G.N. Pospelova).  
(CAUSTICS eff., inj.)  
(STOMACH diseases)  
(ESOPHAGUS diseases)

PA 167T85

FEDOROV, N. A. Engr

USSR/Metals - Welding Oct 50

"One-Sided Automatic Welding of Low-Carbon Steel  
Up to 16 Millimeters Thick," Engineers N. A.  
Fedorov, A. I. Kuzin, T. Ya. Shandra

"Avtogen Delo" No 10, pp 17-20

Suggests one-sided welding under flux as most  
economical method, not requiring preliminary  
preparation of edges. Describes development of  
method for welding 900-1,032 mm diameter boilers  
made of steel 13-16 mm thick and construction of  
flux-supplying devices for straight and circular  
joints. Mechanical characteristics are no lower  
than those of joints welded from both sides.

167T85

1.2300A  
1.2300

88686

S/137/61/000/001/022/043  
A006/A001

Translation from: Referativnyy zhurnal, Metallurgiya, 1961, No. 1, p. 10, # 1E75  
AUTHORS: Bel'chuk, G.A., Gluskin, D.Ya., Fedorov, N.A.  
TITLE: On the Problem of Welding Aluminum and Its Alloys With Steel  
PERIODICAL: "Tr. Leningr. korablestroit. in-ta", 1959, No. 29, p. 257

TEXT: Information is given on experimental argon-arc building-up and welding of Al and its alloys (AMg-6T (AMg-6t) type) with steel on whose surface a 0.1 mm thick Al, 0.04 mm thick Zr or 0.02 - 0.05 mm thick Ni layer had been previously applied. The following welding technology is recommended: an Al layer is applied on the steel surface by "allitization" (allitirovaniye) or a Zn layer by hot zincing. On this surface a 20 - 25 mm wide Al layer is welded (3 - 4 beads); then Al or its alloys are welded on the built-up layer by any type of joint. The average tensile or shearing strength of a welded joint is 9-11 kg/mm<sup>2</sup> at an Al-coating and 4-8 kg/mm<sup>2</sup> at a Zn-coating. The strength of the joint is reduced when welding without preliminary building-up.

V. B.

Translator's note: This is the full translation of the original Russian abstract.  
Card 1/1

BEL'CHUK, G.A.; GLUSKIN, D.Ya.; FEDOROV, N.A.

Welding aluminum and its alloys to steel. Trudy LKI no.34:  
15-22 '61.  
(MIRA 15:8)

1. Kafedra svarki sudovykh konstruktsiy Leningradskogo  
korablestroitel'nogo instituta (for Bel'chuk). 2. Kafedra  
metallovedeniya Leningradskogo korablestroitel'nogo instituta  
(for Gluskin).

(Aluminum--Welding) (Steel--Welding)

ZAYKOV, M.A.; TSELUYKOV, V.S.; KAMINSKIY, D.M.; KUZNETSOV, A.F.;  
BELINSKIY, Ye.D.; SHAMETS, Ya.V.; FEDOROV, N.A.; BARITSKIY,  
S.I.; ZAKHAROV, A.I.; ZHURAVLEV, M.A.; KOBYZEV, V.K.

Investigating energy and power parameters in plate rolling  
on reversing mills. Izv. vys. ucheb. zav.; chern. met. 7  
no.2:100-107 '64. (MIRA 17:3)

ZAYKOV, M. A.; FEDOROV, N. A.

Investigating forces and moments during the rolling of flanged shapes. Izv.vys.uchet.zav.; chern.met.7 no. 4:103-108 '64.  
(MIRA 17:5)

1. Sibirskiy metallurgicheskiy institut.

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0

TSELUYKOV, V. S.; ZAYKOV, M. A.; FEDOROV, N. A.

Distribution of torque in the spindles of two-high reversing  
medium sheet mills. Izv. vys. ucheb. zav.; chern. met. 7 no.6:  
109-113 '64. (MIRA 17:7)

1. Sibirskiy metallurgicheskiy institut.

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0"

YUMATOV, B.P.; SHUBODEROV, V.I., aspirant; FEDOROV, N.A., aspirant

Analysis of the practice of using skip hoists and the effectiveness  
of their introduction in the quarries of nonferrous metallurgy.  
Izv.vys.ucheb.zav.; geol.i razv. 8 no.11:128-134 N '65.  
(MIRA 18:12)

1. Moskovskiy geologorazvedochnyy institut imeni S.Ordzhonikidze.

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0"

FEDOROV, N.A.

Some problems in controlling the process of underground coal  
gasification. Podzem.gaz.ugl. no.1:16-21 '57. (MIRA 10:7)

1. VNIIPodzemgas.  
(Coal gasification, Underground) (Engineering research)

FEDOROV, N.A.; GOLOKH, S.P.

Experience in joining vertical and inclined borings in coal seams.  
Podzem.gaz.ugl. no.2:50-51 '57. (MLRA 10:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut Podzemgaz.  
(Coal gasification, Underground) (Boring)

FEDOROV, N.

A great technical achievement. Tekh.mol. 25 no.10:17-18 O '57.  
(MIRA 10:10)

1. Zamestitel' direktora po nauchnoy chasti Vsesoyuznogo nauchno-  
issledovatel'skogo instituta podzemnoy gazifikatsii ugley.  
(Coal gasification)

FEDOROV, N.

152. Use of Electricity for Starting Gasification of Coal Seams

In his article, "Coal Is Burning Underground," N. Fedorov describes several methods of making connecting channels between wells in underground coal gasification systems.

"Connecting channels between wells can be secured by lowering electrodes to the level of the coal seam and by applying high voltage to them. An electric circuit is formed in which the coal layer between wells acts as a conductor. The current heats and cokes the coal. Coking proceeds from the electrodes toward each other, until they meet. Since the coke is a good conductor, a greater current starts to flow with a lower voltage. The heat liberated from the passing of current through the coke "core" heats the adjacent coal layers, and thus promotes further coking. The coke, being porous, permits easy passage of an air blast. Such a method of connecting the wells is called the electric junction. This method decreases, in many instances, the time for joining the wells and reduces the power consumption. It is now widely used at the Moscow Basin station "Podzemgaz." (Znaniye-Sila, No 2, Feb 57, pp 13-16) (U)

FEDCROV, N.A.

AGROSKIN, A.A., doktor tekhn.nauk; SUKHOTINSKAYA, T.M.; FEDCROV, N.A.

Moisture balance in the process of underground gasification. Podzem.  
gaz.ugl. no.1:25-28 '58. (MIRA 11:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut  
podzemnoy gasifikatsii ugley.  
(Coal gasification, Underground)

FERBEROV, I.L., doktor tekhn.nauk; BRUSHTEYN, N.Z., kand.tekhn.nauk; MUSINOV, G.O.;  
PITIN, R.N.; FEDOROV, N.A., inzh.

Hydraulic fracturing of strata during underground coal gasification.  
Podzem.gaz.ugl. no.1:31-34 '58. (MIRA 11:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut  
podzemnoy gazifikatsii ugley i Institut goryuchikh iskopayemykh im.  
G.M. Krzhizhanovskogo AN SSSR.  
(Coal gasification, Underground)

FEDOROV, N.A.

Investigating certain problems of preparing coal seams for  
gasification without mining. Podzem. gaz. ugl. no.1:26-30  
'59. (MIRA 12:6)

1. VNII Podzemgas.  
(Coal gasification, Underground)

~~FEDOROV, N.A.; KREYNIN, Ye.V.~~

Preparation without mining of the Kuznetsk Basin "4th Inner"  
(9m. thick) coal seam. Podzem.gaz.ugl. no.2:6-10 '59.  
(MIRA 12:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut  
podzemnoy gazifikatsii ugley.  
(Kuznetsk Basin--Coal gasification, Underground)  
(Boring)

FEDOROV, N.A., insh.

Determining the best number of seams to be connected with  
one group drift. Izv.vys.ucheb.zav.; gor.shur. no.7:27-31  
'59. (MIRA 13:4)

1. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskiy  
institut imeni S.M.Kirova, Rekomendovana kafedroy razrabotki  
plastovykh mestorozhdeniy.  
(Mining engineering)

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0

FEDOROV, N.A.; SVIRIDOV, A.Ye.

Aerial photogrammetry in large-scale mapping of coal de-  
posits. Trudy Lab.aeromet. 7:253-256 '59. (NIHA 13:1)

1. Vsesoyuznyy topografo-marksheyderskiy trest (Soyuzmarkshtrest).  
(Aerial photogrammetry) (Geological surveys)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0"

FEDOROV, N.A., inzh.

Preparation of adjacent layers with one conveyer drift. Izv. vys.  
ucheb. zav.; gor. zhur. no.9:16-19 '59. (MIRA 14:6)

i. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskiy  
institut imeni S. M. Kirova. Rekomendovana kafedroy razrabotki  
plastovykh mestorozhdeniy.  
(Kuznets Basin—Coal mines and mining)

SKAFA, Petr Vladiimirovich; FEDOROV, N.A., inzh., otv.red.; GRISHAYENKO,  
M.I., red.izd-va; IL'INSKAYA, G.M., tekhn.red.

[Underground gasification of coal] Podzemnaia gazifikatsiia  
uglei. Moskva, Gos.sauchno-tekhn.izd-vo lit-ry po gornomu delu,  
1960. 321 p.  
(Coal gasification, Underground)

FEDOROV, N.A., inzh.

Efficient level developing in mines in the Anzhero-Sudzhensk  
District of the Kuznets Basin. Izv.vys.ucheb.zav.; gor.zhur.  
no.4:18-22 '60. (MIRA 14:4)

1. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskiy  
institut imeni S.M.Kirova. Rekomendovana kafedroy razrabotki  
plastovykh mestorozhdeniy.

(Kuznets Basin--Coal mines and mining)

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0

GOLGER, S.P.; DERMAN, B.M.; LAVROV, N.V.; FARBEROV, I.L.; FEDOROV, N.A.

Production of industrial gas in the underground gasification of  
Lisichansk coals. Trudy IGI 13:83-86 '60. (MIRA 14:5)  
(Lisichansk—Coal gasification, Underground)

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CIA-RDP86-00513R000412620015-0"

ANDRIANOV, A.P., starshiy prepodavatel'; GUSEV, I.P., dotsent; KUZNETSOV,  
L.A., starshiy prepodavatel'; PROSKURIN, V.V., dotsent; FEDOROV,  
N.A., starshiy prepodavatel'

Clay breakthroughs in mining. Izv.vys.ucheb.zav.; gor.zhur.  
no.3:15-18 '61. (MIRA 15:4)

1. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskiy  
institut imeni S.M.Kirova; rekomendovana kafedroy razrabotki  
plastovykh mestorozhdeniy Tomskogo politekhnicheskogo instituta.  
(Prokop'yevsk region—Coal mines and mining) (Clay)

FEDOROV, N.A.; DMITRIYEV, A.V.; LUK'YANOV, S.V.; KORNIYENKO, P.P.

Studying the process of the hydraulic fracturing of  
coal seams. Nauch. trudy VNII Podzemgaza no.6:66-78  
'62. (MIRA 15:11)

1. Laboratoriya gazifikatsii kamennyykh ugley Vsesoyuznogo  
nauchno-issledovatel'skogo instituta podzemnoy gazifikatsii  
ugley.

(Coal gasification, Underground)  
(Hydraulic mining)

FEDOROV, N.A.

Methods of evaluating the systems of connection linking.  
Nauch. trudy VNII Podzemgaza no.6:79-85 '62. (MIRA 15:11)

1. Laboratoriya gazifikatsii kamennykh ugley Vsesoyuznogo  
nauchno-issledovatel'skogo instituta podzemnoy gazifikatsii  
ugley.

(Coal gasification, Underground)

FEDOROV, N.A.

Nature of gas formation in the case of counterflow connection  
linking. Nauch.trudy VNII Podzemgaza no.7:3-4 '62. (MIRA 15:11)

1. Laboratoriya gazifikatsii kamennyykh ugley Vsesoyuznogo  
nauchno-issledovatel'skogo instituta podzemnoy gazifikatsii  
ugley.  
(Coal gasification, Underground)

FEDOROV, N.A.

Rate of coal reaction in case of a counterflow fire zone drift in  
slit channels. Nauch.trudy VNII Podzemgaza no.7:5-7 '62.

(MIRA 15:11)

1. Laboratoriya gazifikatsii kamennyykh ugley Vsesoyuznogo  
nauchno-issledovatel'skogo instituta podzemnoy gazifikatsii  
ugley.

(Coal gasification, Underground)

KIRICHENKO, I.P., kand. tekhn. nauk; PITIN, R.N., kand. tekhn. nauk;  
PARBEROV, I.L., doktor tekhn. nauk; FEDOROV, N.A., kand. tekhn.  
nauk

Some problems in recovery without mining and in underground  
preparation of fuels and other minerals. Nauch. trudy  
VNIIPodzemgaza no.8+9-10 '62. (MIRA 16:6)

1. Institut goryuchikh iskopayemykh Gosudarstvennogo komiteta  
po toplivu i Vsesoyuznyy nauchno-issledovatel'skiy institut  
podzemnoy gazifikatsii ugley.

(Coal gasification, Underground)  
(Sublimation(Physical sciences))

FEDOROV, N.A.; BELYANOVA, Ye.M.; GRIDNEVA, K.I.; RAKOVSKIY, V.Ye.;  
KUNIN, A.M.; YAKOB, N.S.

Composition and ways of using the liquid products of under-ground gasification of coals. Nauch. trudy VNII Podzemgaza  
no.8:95-103 '62.  
(MIRA 16:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut podzemnoy  
gazifikatsii ugley, Kalininskiy torfyanyoy institut i Vesoyusnyy  
nauchno-issledovatel'skiy institut udobreniy i agropochvo-  
vedeniya.

(Coal gasification, Underground--By-products)

KOVACHEVICH, P.M., prof.; FEDOROV, N.A., kand.tekhn.nauk; ANDRIANOV, A.P.,  
inzh.; BOBER, Ye.h., inzh.; GORBACHEV, D.T.; DENISOV, V.V.; KONONCHUK,  
G.I., brigadir

Work practices of the brigade of G.I.Kononchuk at "Berezovskaya-  
1" Mine in the Kuznetsk Basin. Ugol' 38 no.3:1-6 Mr '63.  
(MIRA 18:3)

1. Ismerovskiy gornyy institut (for Kovachevich, Fedorov, Andrianov, Bober).
2. Glavnyy inzh. tresta Kemerovouugol' (for Gorbachev).
3. Glavnyy inzh. shakhty "Berezovskaya-1" tresta Kemerovouugol' (for Denisov).
4. Shakhta "Berezovskaya-1" tresta Kemerovouugol' (for Kononchuk).

FEDOROV, N.A.

Permeability of coal seams to gas and selection of a means of  
creating channels permeable to gas. Nauch. trudy VNII Podzemgaza  
no.10;39-42 '63. (MIRA 17:5)

1. Laboratoriya tekhnologii podzemnoy gazifikatsii kamennyykh  
ugley Vsesoyuznogo nauchno-issledovatel'skogo instituta podzemnoy  
gazifikatsii ugley.

BOBER, Ye.A.; SMIRNOV, V.N.; FEDOROV, N.A.

Some results of investigating manifestations of rock pressure during  
cutter-loader mining operations. Vop.gor.davl. no.22:10-18 '64.

(MIRA 18:1)

I. Kemerovskiy gornyy institut.

BOBER, Ye.A.; PROSKURIN, V.V.; FEDOROV, N.A.; REYMAROV, V.A.

Full-scale measurements of rock pressure in development workings  
at mine 5-7 of the Anzherougol' Trust. Vop. gor. davl. no.17:10-  
13 '63. (MIRA 18:9)

1. Kemerovskiy gornyy institut (for Bober, Proskurin, Fedorov).
2. Shakhta 5-7 Tresta Anzherougol', Anzerskiy rayon (for Reymarov).

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CIA-RDP86-00513R000412620015-0

PUGACHEV, A.S.; FEDOROV, N.A., otvetstvennyy redaktor; ZHIRMUNSKAYA, I.A.,  
redaktor; TROUKHIN, P.S., tekhnicheskiy redaktor

[Layout work in shipbuilding] Sudovye razmetochnye raboty. [Lenin-  
grad] Gos. izd-vo sudostroit. lit-ry, 1953. 155 p. [Microfilm]  
(Shipbuilding) (MLRA 7:10)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0"

GRISHCHENKO, S.S.; FEDOROV, N.A.; PROLOV, P.V., inzhener, redaktor;  
PETERSON, M.M., tekhnicheskiy redaktor.

[How a ship is built] Kak stroitsia sudno. Leningrad, Gos.  
sciuznnoe izd-vo sudostroit.promyshl., 1954. 81 p. (MLRA 8:11)  
(Shipbuilding)

BUTOMA, B.Ye.; SOKOLOV, P.A.; BALAYEV, D.N.; SERGEYEV, N.M.; SHUMSKIY, K.A.;  
TYAPKIN, M.Ya.; SMIRNOV, V.A.; PIROGOV, N.I.; FEDOROV, N.A.;  
GOLYASHKIN, G.S.; KUZ'MIN, A.P.; AKULINICHESKII, V.P.; brigadir; GORENKO,  
Ye.M.; BYSTREVSKIY, L.M., inzh.; STEPANOV, P.S., brigadir; Us, I.S.,  
brigadir-sudosborshchik, deputat Verkhovnogo Soveta SSSR; USTINOV,  
P.D., slesar'-sborschik; FINOGENOVA, N.Ya., tokar'; LERMER, M.;  
ALEKSEYEV, R.Ye.; SIVUKHIN, K., starshiy master; OSTAF'YEV, A.I.;  
TROFIMOV, B.A., inzh.; KOVRYZHIN, V.F., inzh.; MOISEYEV, A.A., prof.;  
GOLUBEV, N.V.; MOGILEVICH, V.I.; ANDRYUTIN, V.I.; ANDRIYEVSKIY, M.I.;  
MATSKEVICH, V.D., dots.

Shipbuilders prepare for the 21st Extraordinary Congress of the CPSU.  
Sudostroenie 25 no.1:1-25 Ja '59. (MIRA 12:3)

1. Predsedatel' Gosudarstvennogo komiteta Soveta Ministrov SSSR po sudostroyeniyu, ministr SSSR (for Butoma).
2. Nachal'nik upravleniya sudostroitel'noy promyshlennosti Lensovmarkhoza (for Sokolov).
3. Direktor Baltiyskogo sudostroitel'nogo zavoda im. S.Ordzhonikidze (for Balayev).
4. Nachal'niki tsekhov Baltiyskogo sudostroitel'nogo zavoda im. S. Ordzhonikidze (for Sergeyev, Shumskiy).
5. Nachal'nik mekhanicheskogo tsekhha Baltiyskogo sudostroitel'nogo zavoda im. S. Ordzhonikidze (for Tyapkin). (Continued on next card)

BUTOMA, B.Ye.---(continued) Card 2.

6. Brigada kommunisticheskogo truda Baltiyskogo sudostroitel'nogo zavoda im. S. Ordzhonikidze (for Smirnov).
7. Glavnyy inzhener Admiralteyskogo sudostroitel'nogo zavoda, Leningrad (for Pirogov).
8. Glavnyy inzhener sudostroitel'nogo zavoda im. A.A. Zhdanova (for Fedorov).
9. Nachal'nik elektronnogo tsekh Sudostroitel'nogo zavoda im. A.A. Zhdanova (for Golyashkin).
10. Nachal'nik tsekh kommunisticheskogo truda sudostroitel'nogo zavoda im. A.A. Zhdanova (for Kuz'min).
11. Malyarnyy tsekh sudostroitel'nogo zavoda im. A.A. Zhdanova (for Akulinichev).
12. Glavnyy inzhener Nikolayevskogo sudostroitel'nogo zavoda im. I.I. Nosenko (for Gorbenko).
13. Nikolayevskiy sudostroitel'nyy zavod im. I.I. Nosenko (for Bystrevskiy, Us, Ustinov, Finogenova).
14. Slesarno-sborochnaya brigada Nikolayevskogo sudostroitel'nogo zavoda im. I.I. Nosenko (for Stepanov).
15. Zamestitel'nachal'nika konstruktorskogo byuro sudostroitel'nogo zavoda "Krasnoye Sormovo" (for Lerner).
16. Glavnyy konstruktor konstruktorskogo byuro sudostroitel'nogo zavoda "Krasnoye Sormovo" (for Alekseyev).
17. Sudostroitel'nyy zavod "Krasnoye Sormovo" (for Sivukhin).
18. Direktor sudostroitel'nogo zavod "Leninskaya kuznitsa" (for Ostaf'yev).
19. Sekretar' partkomata TSentral'nogo nauchno-issledovatel'skogo instituta (for Trofimov). (Continued on next card)

BUTOMA, B.Ye.--(continued) Card 3.

20. Predsedatel' Leningradskogo oblastnogo pravleniya Nauchno-tehnicheskogo otdela sudostroitel'noy promyshlennosti (for Moiseyev).
21. Glavnyya inzhener Konstruktorskogo byuro (for Golubev, Andryutin).
22. Glavnyy konstruktor Konstruktorskogo byuro (for Mogilevich).
23. Nachal'nik TSentral'nogo tekhniko-konstruktorskogo byuro (for Andriyevskiy).
24. Zamestitel' direktora Leningradskogo korabestroitel'nogo instituta po uchebnoy chasti (for Matskevich).

(Shipbuilding)

TRESKUNOV, Petr Iosifovich; KOMAN, A. A., inzh., retsenzent; MALOV, A. N.,  
inzh.; FEDOROV, N. A., inzh.; DMITRIYEV, V. P., inzh., otd.red.;  
LISOK, E. I., red.; KRYUKOVA, D. M., tekhn.red.

[Gutter and press-worker] Rezchik-pressovshchik. 2., perer. i  
ispr.izd. Leningrad, Gos.soiuznoe izd-vo sudostroit.promyshl.,  
1961. 146 p.  
(Hulls (Naval architecture)) (Shipping) (MIRA 15:2)

BELYAYEV, Georgiy Sergeyevich; FEDOROV, N.A., inzh., retsenzent; TISHKO-VETS, I.V., inzh., retsenzent; KOKICHEV, V.N., nauchnyy red.; OZEROVA, Z.V., red.; SHISHKOVA, L.M., tekhn. red.

[Mechanization of fitting and assembling operations in marine engineering] Mekhanizatsiya slesarno-sborochnykh i montazhnykh rabot v sudovom mashinostroenii. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1961. 267 p. (MIRA 14:6)  
(Marine engineering) (Shipfitting)

KUZ'MENKO, Vladimir Kuz'mich, dots.; FEDOROV, Nikolay Aleksandrovich;  
FRID, Yevsey Grigor'yevich; ADLERSHTEIN, L.TS., inzh., re-  
tsenzent; SOKOLOV, V.F., inzh., retsenzent; SOSIPATROV, O.A.,  
red.; FRUMKIN, P.S., tekhn. red.

[Shipfitter's handbook] Spravochnik sudovogo sborshchika. Pod  
obshchei red. V.K. Kuz'menko. Leningrad, Sudpromgiz, 1962.  
327 p.

(MIRA 16:4)

(Shipfitting)

BOYNOVICH, Don Iesifovich; ISAKOV, Vasiliy Petrovich; PISHNOV,  
Semen Elevich; KEZLING, G.B., inzh., retsenzent;  
FEDOROV, N.A., nauchn. red.; KUSKOVA, A.I., red.

[Mechanization of the manufacture of products for the  
outfitting of ships] Mekhanizatsiya izgotovleniya suda-  
vykh dostroechnykh izdelii. Leningrad, Sudostroenie,  
1964. 179 p. (MIRA 18:2)

Carbohydrate metabolism in adrenal diabetes from data on adrenalectomized dogs. N. A. Medoway and A. M. Namyatulikova. Arch. sci. biol. (U. S. S. R.) 39, 401 (1956).

(in English 490) (1935).—The angiostomy method of B. S. London permits the withdrawal of blood, through canulae, from internal blood vessels. In these expts. blood from the portal, hepatic and femoral veins and the femoral artery was withdrawn simultaneously before and after adrenaline injections. Sugar, lactic acid and glycogen were detd. in the blood from these 4 vessels and the following conclusions are offered: The adrenaline injections increase hepatic glycogen formation which parallels the consumption of sugar by the intestinal wall and the striated muscles and is accompanied by an increase of lactic acid in the systemic blood. The lactic acid and blood glycogen are removed by the liver. The striated muscle and intestines yield increased amts. of glycogen to the blood which is probably due to the mobilization of liver glycogen by the adrenaline and causing the increased glycogen trans-fer from the gut and skeletal muscles. W. A. Perlisweig

**ASQ-SEA METALLURGICAL LITERATURE CLASSIFICATION**

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0"

FEDOROV, N. A.; GRABETSKIY, A. A.; LISENKO, N. V.; DAGAEVA, L. N.; BOROVSKIY, Ye. V  
ROZHANSKIY, M. Ye.; PROKHONCHUKOV, A. A.

Radioactive Tracers

Studies on mineral metabolism in hard tissue of the tooth with the aid of radioactive tracers. Stomatologija, No. 1, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

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CIA-RDP86-00513R000412620015-0"

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0

FEDOROV, N.A.

[Experimental and clinical material from a study of new cytotoxic serums] Ekspериментal'no-klinicheskie materialy po issledovaniyu novykh tsitotoksicheskikh sывorotok. Moskva, Medgiz, 1956. 130 p.  
(SERUMS) (MLRA 9:7)

*Fedorov, N.A.  
Moscow, 1956*

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CIA-RDP86-00513R000412620015-0"

POBEDINSKIY, M.N., prof., FEDOROV, N.A., prof.

International Conference on Radiobiology in Cambridge, England,  
August 14-17, 1955. Arkh.pat. 18 no.3:131-135 '56 (MIRA 11:10)  
(CAMBRIDGE, ENGLAND--RADIOBIOLOGY--CONGRESSES)

FEDOROV, N. A.

USSR/General Problems of Pathology - Allergy.

S-2

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71339

Author : Fedorov, N.A., Gurvich, A.E.

Inst :

Title : On the Problem of Differentiation of Antibodies Conditioning Anaphylaxis, from Precipitins.

Orig Pub : Arkhiv patologii, 1956, 18, No 6, 52-55

Abstract : Protein preparations - sera 24 and 32, in spite of the absence in tests with guinea pigs of anaphylactic properties, are capable of producing precipitins in rabbits. Evidently the anaphylaxis is produced by special antibodies, different from precipitins or at least not identical with precipitins.

Card 1/1

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to the organization referred to above.*

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## USSR / Human and Animal Physiology (Normal and Pathological). Digestion.

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 60414

Author : Fedorov, N. A.; Dagayeva, L. N.

Inst : Not given by keydny patofiziologii (zur.-prog. N.A. Fodorov),  
Title : Neurotrophic Changes in the Hard Tooth Tissues as moskovskogo  
Reflected by Calcium Metabolism

Orig Pub : Stomnologiya, 1957, No 6, 7-11

**Abstract** : After severance of the lower alveolar nerve and the denudation of the alveolar artery in dogs killed within different intervals after the denervation of the lower jaw and a week after the introduction of  $\text{Ca}^{45}$ , the inclusion of  $\text{Ca}^{45}$  into the hard tissues decreased at first, then increased, and after 4 - 8 weeks dropped sharply, which evidently indicated a neurodystrophic process in the tooth tissues. After the removal of the upper sympathetic plexus cervicalis in cats, a decrease in the  $\text{Ca}^{45}$  inclusion into the hard tissues of teeth was observed.

Castello

USSR / Pharmacology and Toxicology. Tranquilizers.

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Abs Jour : Ref Zhur - Biol., No 16, 1958, No 75709

Author : Merkulov, M. F.; Fedorov, N. A.; Poberiy, I. A.

Inst : Second Moscow Medical Institute

Title : Autoradiographic Study of the Spread of S<sup>35</sup>-Aminazine in  
the Tissues of Rats.

Orig Pub : Uch. zap. 2-go Mosk. med. in-ta, 1957, 6, 190-196.

Abstract : 50 ng/kg of aminazine-S<sup>35</sup> (I) was introduced in rats internally and slowly; in 20 minutes the animals were sacrificed and the content of I was determined in the tissues. With the methods used in treatment of the tissues, a significant part of the radioactivity was washed out; therefore, the autographs obtained showed the spread only of those fractions of I that were solidly connected with the structural parts of the cells. In the lungs, a selective accumulation

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Abs Jour & Ref Zhur - Biol., No 16, 1958, No 75709

of I was noted in the nuclei of the epithelial cells of the alveoli; in the kidneys, I is concentrated predominantly in the spleen, the accumulation of I in the follicles exceeds the level of I in the red pulp. A comparatively great concentration of I is found in the follicles of the thyroid gland. In the brain, grey matter absorbs I approximately twice as intensively as does the white. In the tissues of the adrenals and the liver, the spread of I has a more diffuse character.

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USSR / Pharmacology and Toxicology. Tranquilizers.

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Abs Jour : Ref Zhur - Biol., No 16, 1958, No 75698

Author : Fedorov, N. A.

Inst : Second Moscow Medical Institute

Title : Dynamics of the Spread and Isolation of  $S^{35}$  Promazine in Rats and Rabbits with Different Methods of Administering the Drug.

Orig Pub : Uch. zap. 2-y Mosk. med. in-t, 1957, 6, 197-204

Abstract : With the internal introduction of promazine  $S^{35}$  (I), the greatest concentration is noted in the lungs; the least, in the blood with a maximum in 7-15 minutes after its introduction. In the brain, I spreads evenly; its content here is higher than in the spinal cord. With intraabdominal introduction, the greatest concentration of I is found in the small intestine. With subcutaneous introduction, I enters the blood very slowly, and therefore the concentration

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Abs Jour: Ref Zhur-Biol., No 9, 1958, 42287.

Author: ~~Bogorov, N. A.~~

Inst: Not Given.

Title: Distribution of S35 of Aminazine in Various Sections of the Central Nervous System and Organs of Dogs and Rabbits.

Orig Pub: Zh. nevropatol. i psichiatrii, 1957,<sup>51</sup> No 6, 761-767.

Abstract: The body distribution of aminazine (I) marked with S35 was studied in dogs and rabbits. I was given in single injections, 2 mg/kg to dogs, 10 mg/kg to rabbits. The highest concentration of I was noted in the lungs. Next came the adrenals, then the liver, intestines, hypophysis, the medulla oblongata and the subcortical structures. Only traces of I were noted in the blood 15 minutes

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Chair Med. Radiology, Cent Inst. Advanced Training Physicians  
\* Head - Psychiatry - Minkevich RFSR.

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Abs Jour: Ref Zhur-Biol., No 9, 1958, 42287.

**Abstract:** after intramuscular injections of I. The maximum concentration of I in dogs was noted in the spinal cord and in the subcortical and trunk sections of the brain after 6 hours following injection. The content of I in the cortex of the brain of dogs began to decrease within 2-1/2 hours after injection. The distribution of I in the various sections of the brain and spinal cord is more uniform in rabbits than in dogs. The greatest concentration of I is noted within 2 hours after injection. It is possible that the species particularities of the animal, as well as the higher doses of I, were contributing to the nature of I distribution in the CNS of rabbits. -- S. M. Shteynberg

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